Sheet 1 of 4

FORM 1449 (S&J Version)

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Docket No.: 12492.0004 Applicant: GROGER et al.

Application No.: [Div. of 09/095,114]

Filing Date February 12, 2002

Examiner: Group Art Unit:

		U.S	PATENT DOCUMENTS					
Examiner's Initials*	Document No.	Date MM/YYYY	Inventor	Class	Subclass		g Date propriate	
	5,757,013	5/26/98	Groger et al.	250	458.1	12/6/95	5	
	5,196,709	3/23/93	Berndt et al.	250	458.1	5/3/91		
	4,594,511	6/10/86	Cooper et al.	250	339	3/29/85	;	
	5,043,585	8/27/91	Fehrenbach et al.	250	458.1	1/3/90		
	5,323,010	6/21/94	Gratton et al.	250	458.1	12/1/92	2	
	5,212,386	5/18/93	Gratton et al.	250	458.1	12/13/9	91	
	5,063,297	11/5/91	Hardenbrook et al.	250	458.1	4/27/90	)	
	5,317,162	5/31/94	Pinsky et al.	250	461.2	9/9/92		
	5,315,122	5/24/94	Pinsky et al.	250	461.2	8/25/92		
	5,270,548	12/14/93	Steinkamp	250	461.2	7/31/92		
	5,030,832	7/9/91	Williams et al.	250	458.1	6/8/89		
	5,548,124	8/20/96	Takeshima et al.	250	458.1	8/25/95		
	5,606,633	2/25/97	Groger et al.	385	12	6/26/95		
	5,344,784	9/6/94	Attridge	436	518	11/28/8		
	5,327,225	7/5/94	Bender et al.	356	445	1/28/93		
	5,023,053	6/11/91	Finlan	422	82.05	5/22/89		
	4,997,278	3/5/91	Finlan et al.	356	128	8/16/88		
	5,035,863	7/30/91	Finlan et al.	422	82.05	5/10/89		
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	300,481	07/04/85	Japan		<u> </u>			
	300,481	07/1985	Germany		<u>l</u>			
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	Weiss et al., "Thin Film Monitoring Using Surface Plasmon Resonance Waveguide Sensors," pp. 1-20, Photonics Research Laboratory, University of Florida, Gainesville, FL							
	Velseh James A "	Commuter Displant	Florida, Gainesville, FL					
	Kelsch, James A., "Computer Block Diagram", Computer BMP, Arcova, Gainesville, FL							
	Groger et al "Thin	Film Sensors to	Evaluate Chamical and Dialogical S	Γl 4 4 -	A C: .			
	Groger et al., "Thin Film Sensors to Evaluate Chemical and Biological Threats to Army Structures", February 1992, pp. 1-41, American Research Corporation of Virginia, Radford, VA.							
	Churchill et al. "Se	If-assembled Th	in Film Sensors for Aquaculture Pro	A.	ol" CDID Db-	I Ci1	D .	
	Dec. 30 1992 nn 1	I-55 American F	Research Corporation of Virginia Po	edford VA	OI, SBIR Pha	se i Finai	Report,	
Dec. 30, 1992, pp. 1-55, American Research Corporation of Virginia, Radford, VA.  Haruvy et al., "Sol-Gel Preparation of Optically Clear Supported Thin-Film Glasses Embodying La							_??	
	1992, Chapter 28. p	p. 405-424. Sun	ramolecular Architecture, USA.	mii Giasst	s Embodying i	Laser Dye	·s ,	
	Levy, David, "Sol-s	el glasses for on	tics and electro-ontics" Journal of h	Von-Crysts	Iline Solide S	ection 10	147	
	Levy, David, "Sol-gel glasses for optics and electro-optics", Journal of Non-Crystalline Solids, Section 10, 147-148 (1992) pp. 508-517, North Holland.							
	Reisfeld et al., "Opt	ical Properties o	f Colorouts or Luminescent Species	in Sol-Gel	Glasses" Stru	icture and		
	Bonding 77, Spring	er-Verlag, 1992,	pp. 239-247, Berlin, Heidelberg.					
	Zusman et al, "Dope	ed Sol-Gel Glass	es as Chemical Sensors", Journal of	Non-Crvs	talline Solids.	Vol. 122	1990.	
	pp. 107-109, North	Holland.	,	. , -	,	,		

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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	5,055,265	10/8/91	Finlan	422	82.05	5/30/89	
	5,313,264	5/17/94	Ivarsson et al.	356	73	11/9/89	
	5,067,788	11/26/91	Jannson et al.	385	2	3/21/90	
	5,359,681	10/25/94	Jorgenson et al.	385	12	1/11/93	
	5,322,798	6/21/94	Sadowski, Janusz W.	436	113	7/4/91	
	5,245,410	9/14/93	Villuendas Yuste et al.	356	445	7/16/90	
	5,577,137	11/19/96	Groger et al.	385	12	2/22/95	
	5,447,845	9/5/95	Chu et al.	435	6	12/6/94	
	5,094,517	3/10/92	Franke	385	12	8/10/90	
	5,156,972	10/20/92	Issachar	435	288	9/5/90	
	4,880,752	11/14/89	Keck et al.	435	7	2/24/89	
	5,120,131	6/9/92	Lukosz	356	351	2/14/88	
	4,889,690	12/26/89	Optiz et al.	422	73	5/7/87	
	4,815,843	3/28/89	Tiefenthaler et al.	356	128	5/29/86	
	5,127,405	7/7/92	Alcala et al.	128	633	2/16/90	
	5,094,959	3/10/92	Allen et al.	436	172	4/26/89	
	4,844,613	7/4/89	Batchelder et al.	356	318	11/2/87	
	4,582,809	4/15/86	Block et al.	436	527	8/9/82	
	5,302,349	4/12/94	Dandliker et al.	422	82.08	3/6/90	
	5,237,631	8/17/93	Gavish et al.	385	12	3/31/92	
	4,050895	9/27/77	Hardy et al.	23	230 R	9/17/76	
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	Jahns et al., "Integr 18, No. 19, Oct. 1,	ated planar optic 1993, pp. 1594-1	al imaging system with high into 596.	erconnection d	ensity", Optica	l Letters,	Vol.
	Tanguay, Armand R., Jr., "Integrated Optical Information Processing" Research Report 1988, USC Optical Materials and Devices Laboratory, pp. 62-71, Los Angeles, CA.						
					0.1.1		
	Feddersen et al., "Digital parallel acquisition in frequency domain fluorimetry", Rev. Sci. Instrucm., Vol. 60, No. 9, September 1989, pp. 2929-2936.						
	Haruvy et al., "Sup	ported sol-gel thi	n-film glasses embodying laser tolecular Glass Chemistry and P	dyes II: Three-	layered waveg	uide	
	Chen et al., "1-to-1	2 surface normal	three-dimensional optical interc	connects" App	pp. 39-70. lied Physics La	etters Vol	63
	No. 14, October 19	93, pp. 17-19.					
	Mangino et al, "Exp Material Surfaces."	perimental Exam Abstract No. 54	ination of the Relationship Betw 902e, Chemical Abstracts, July 2	veen Exposure	and Desorption	n of VX fr	om
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Examiner's	Document No.	Date	PATENT DOCUMEN		Subclass	Pitt	a Data
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	4,803,049	2/7/89	Hirschfeld et al.	422	58	12/12/8	34
	4,929,561	5/29/90	Hirschfeld	436	116	8/8/85	
	4,654,532	3/31/87	Hirschfeld	250	458.1	9/9/85 7/29/91	
	5,227,134	7/13/93	Janata	422	82.08		
	5,096,671	3/17/92	Kane et al.	422	82.07	3/15/89	)
	5,324,635	6/28/94	Kawase et al.	435	7.94	8/24/89	)
	5,045,282	9/3/91	Kritzman et al.	422	56	10/14/8	88
	5,093,266	3/3/92	Leader et al.	436	68	2/27/89	)
	5,114,676	5/19/92	Leiner et al.	422	82.06	7/28/89	)
	5,308,581	5/3/94	Lippitsch et al.	422	82.08	12/12/9	1
	Re.31,879	5/7/85	Lubbers et al.	436	133	7/29/82	
	5,154,890	10/13/92	Mauze et al.	422	82.07	11/7/90	
	5,315,672	5/24/94	Padovani	385	12	9/23/91	
<u>.                                    </u>	5,019,350	5/28/91	Rhum et al.	422	82.07	2/13/86	
	4,548,907	10/22/85	Seitz et al.	436	163	9/14/83	
	4,877,747	10/31/89	Stewart	436	525	4/4/86	
	4,818,710	4/4/89	Sutherland et al.	436	527	12/6/85	
	4,980,278	12/25/90	Yamada et al.	435	7	4/24/89	
	4,752,115	6/21/88	Murray, Jr. et al.	350	96.29	2/7/85	
	5,376,554	12/1994	Vo-Dinh	436	104		
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	Shea, K.J. et al, Ma	al, Carcinogeness acromolecules 19 Polym. Prepr A	is 1981, 2, 879-883 89, 22, 1722-1730	or country where	-		
	Shea, K.J. et al, Ma McGill, R.N. et al, Paley. M.S. et al, M	al, Carcinogeness acromolecules 19 Polym. Prepr A	is 1981, 2, 879-883  89, 22, 1722-1730  Am. Chem. Soc. Div. Polym. C	or country where	-		
	Shea, K.J. et al, Ma McGill, R.N. et al, Paley. M.S. et al, M	al, Carcinogeness acromolecules 19 Polym. Prepr A facromolecules 1 J. Chem. Phys.,	is 1981, 2, 879-883  89, 22, 1722-1730  Am. Chem. Soc. Div. Polym. C	or country where	-		
	Shea, K.J. et al, Ma McGill, R.N. et al, Paley. M.S. et al, M Mitchell, D.J. et al, Giuliani, J.F. et al,	Polym. Prepr Adacromolecules I J. Chem. Phys., ACS Symp. Ser.	is 1981, 2, 879-883 89, 22, 1722-1730 Am. Chem. Soc. Div. Polym. C 990, 23, 4557-4564 1977, 67, 4832-4834	or country where	-		
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		U.S.	PATENT DOCUMENT	TS			
Examiner's Initials*	Document No.	Date MM/DD/YYYY	Inventor	Class	Subclass		g Date propriate
	4,651,010	03/1987	Javan	250	458.1	1 1111	Topriate
	4,793,977	12/1988	Morris	422	55	<del>                                     </del>	
	4,925,268	5/1990	Iyer et al	385	12	<del>                                     </del>	
	5,019,518	5/1991	Diehl et al	436	172		
	5,032,380	7/1991	Novak et al	436	120		
	5,206,175	4/1993	Rossmann et al	436	106		
	5,640,470	6/1997	Iyer et al	385	12		
	3,755,064	8/1973	Maierson	161	174		
	5,662,712	9/1997	Pathak et al	623	12		
	5,178,990	1/1993	Sateke et al	430	346		
	5,296,275	3/1994	Goman et al	428	29		
	5,459,505	10/1995	Ballegaard et al	342	260		
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